SEQUENCE LISTING

<110> Emil Israel Katz

<120> PEPTIDES REPRESENTATIVE OF POLYPEPTIDES OF INTEREST AND ANTIBODIES DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENERATING AND UTILIZING EACH

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Gly Glu Tyr Ser Ile Gly Gln Val Leu Thr Val Phe Phe Ser Val Leu
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Glu Ile Leu Thr Lys
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Phe Tyr Asp Pro Leu Ala Gly Lys
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<400> 124

Val Leu Leu Asp Gly Lys
1 5

<210> 125

<211> 3

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<400> 125

Glu Ile Lys
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<400> 126

Arg
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<210> 127

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<400> 127

Leu Asn Val Gln Trp Leu Arg
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<211> 28

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<400> 128

Ala His Leu Gly Ile Val Ser Gln Glu Pro Ile Leu Phe Asp Cys Ser
1 5 10 15

Ile Ala Glu Asn Ile Ala Tyr Gly Asp Asn Ser Arg
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<211> 9

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<400> 129

Val Val Ser Gln Glu Glu Ile Val Arg
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<400> 130

Ala Ala Lys
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<211> 14

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<400> 131

Glu Ala Asn Ile His Ala Phe Ile Glu Ser Leu Pro Asn Lys
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<400> 132

Tyr Ser Thr Lys
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<210> 133

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<400> 133

Val Gly Asp Lys
1

<210> 134

<211> 9

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<400> 134

Gly Thr Gln Leu Ser Gly Gly Gln Lys
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<400> 135

Gln Arg
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<210> 136

<211> 5

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<400> 136

Ile Ala Ile Ala Arg
1 5

<210> 137

<211> 5

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<400> 137

Ile Ala Ile Ala Arg
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<211> 4

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<400> 138

Ala Leu Val Arg
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<210> 139

<211> 20

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<400> 139

Gln Pro His Ile Leu Leu Leu Asp Glu Ala Thr Ser Ala Leu Asp Thr
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Glu Ser Glu Lys
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<400> 140

Val Val Gln Glu Ala Leu Asp Lys
1 5

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Ala Arg
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Glu Gly Arg
1

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<400> 143

Thr Cys Ile Val Ile Ala His Arg
1 5

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Leu Ser Thr Ile Gln Asn Ala Asp Leu Ile Val Val Phe Gln Asn Gly
1 5 10 15

Arg

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Val Lys
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<400> 146

Glu His Gly Thr His Gln Gln Leu Leu Ala Gln Lys
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<400> 147

Gly Ile Tyr Phe Ser Met Val Ser Val Gln Ala Gly Thr Lys
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Arg
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Gln
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<210> 150

<211> 29

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<400> 150

Met Ser Ser Ser Asn Val Glu Val Phe Ile Pro Val Ser Gln Gly Asn
1 5 10 15

Thr Asn Gly Phe Pro Ala Thr Val Ser Asn Asp Leu Lys
20 25

<210> 151

<211> 16

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<400> 151

Ala Phe Thr Glu Gly Ala Val Leu Ser Phe His Asn Ile Cys Tyr Arg
1 5 10 15

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Val Lys
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Leu Lys
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Ser Gly Phe Leu Pro Cys Arg
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Lys
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Pro Val Glu Lys
1

<210> 157

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Glu Ile Leu Ser Asn Ile Asn Gly Ile Met Lys
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<400> 158

Pro Gly Leu Asn Ala Ile Leu Gly Pro Thr Gly Gly Gly Lys
1 5 10

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<400> 159

Ser Ser Leu Leu Asp Val Leu Ala Ala Arg
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Lys
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<210> 161

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<400> 161

Asp Pro Ser Gly Leu Ser Gly Asp Val Leu Ile Asn Gly Ala Pro Arg
1 5 10 15

<210> 162

<211> 5

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<400> 162

Pro Ala Asn Phe Lys
1 5

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<211> 19

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<223> Computer generated synthetic peptide

<400> 163

Cys Asn Ser Gly Tyr Val Val Gln Asp Asp Val Val Met Gly Thr Leu
1 5 10 15

Thr Val Arg

<210> 164

<211> 10

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<400> 164

Glu Asn Leu Gln Phe Ser Ala Ala Leu Arg
1 5 10

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<211> 10

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<213> Artificial sequence

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<400> 165

Leu Ala Thr Thr Met Thr Asn His Glu Lys
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<211> 3

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<223> Computer generated synthetic peptide

<400> 166

Asn Glu Arg
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<210> 167

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<400> 167

Ile Asn Arg
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<210> 168

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<400> 168

Val Ile Glu Glu Leu Gly Leu Asp Lys
1 5

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<400> 169

Val Ala Asp Ser Lys
1 5

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Val Gly Thr Gln Phe Ile Arg
1 5

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<213> Artificial sequence

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<400> 171

Gly Val Ser Gly Gly Glu Arg
1 5

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<211> 1

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<400> 172

Lys
1

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<211> 1

<212> PRT

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<400> 173

Arg
1

<210> 174

<211> 36

<212> PRT

<213> Artificial sequence

<220>

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<400> 174

Thr Ser Ile Gly Met Glu Leu Ile Thr Asp Pro Ser Ile Leu Ser Leu
1 5 10 15

Asp Glu Pro Thr Thr Gly Leu Asp Ser Ser Thr Ala Asn Ala Val Leu
20 25 30

Leu Leu Leu Lys
35

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<211> 1

<212> PRT

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<400> 175

Arg
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<210> 176

<211> 3

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<400> 176

Met Ser Lys
1

<210> 177

<211> 3

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<400> 177

Gln Gly Arg
1

<210> 178

<211> 10

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<213> Artificial sequence

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<400> 178

Thr Ile Ile Phe Ser Ile His Gln Pro Arg
1 5 10

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<223> Computer generated synthetic peptide

<400> 179

Tyr Ser Ile Phe Lys
1 5

<210> 180

<211> 12

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<400> 180

Leu Phe Asp Ser Leu Thr Leu Leu Ala Ser Gly Arg
1 5 10

<210> 181

<211> 46

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<220>

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<400> 181

Leu Met Phe His Gly Pro Ala Gln Glu Ala Leu Gly Tyr Phe Glu Ser
1 5 10 15

Ala Gly Tyr His Cys Glu Ala Tyr Asn Asn Pro Ala Asp Phe Phe Leu
20 25 30

Asp Ile Ile Asn Gly Asp Ser Thr Ala Val Ala Leu Asn Arg
35 40 45

<210> 182

<211> 5

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<223> Computer generated synthetic peptide

<400> 182

Glu Glu Asp Phe Lys
1 5

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<211> 9

<212> PRT

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<223> Computer generated synthetic peptide

<400> 183

Ala Thr Glu Ile Ile Glu Pro Ser Lys
1 5

<210> 184

<211> 3

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<400> 184

Gln Asp Lys
1

<210> 185

<211> 5

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<223> Computer generated synthetic peptide

<400> 185

Pro Leu Ile Glu Lys
1 5

<210> 186

<211> 12

<212> PRT

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<400> 186

Leu Ala Glu Ile Tyr Val Asn Ser Ser Phe Tyr Lys
1 5 10

<210> 187

<211> 3

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<400> 187

Glu Thr Lys
1

<210> 188

<211> 11

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<400> 188

Ala Glu Leu His Gln Leu Ser Gly Gly Glu Lys
1 5 10

<210> 189

<211> 1

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<400> 189

Lys
1

<210> 190

<211> 1

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<400> 190

Lys
1

<210> 191

<211> 1

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<400> 191

Lys
1

<210> 192

<211> 5

<212> PRT

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<400> 192

Ile Thr Val Phe Lys
1 5

<210> 193

<211> 13

<212> PRT

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<400> 193

Glu Ile Ser Tyr Thr Thr Ser Phe Cys His Gln Leu Arg
1 5 10

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<211> 4

<212> PRT

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<400> 194

Trp Val Ser Lys
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<210> 195

<211> 1

<212> PRT

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<220>

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<400> 195

Arg
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<210> 196

<211> 3

<212> PRT

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<223> Computer generated synthetic peptide

<400> 196

Ser Phe Lys
1

<210> 197

<211> 31

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 197

Asn Leu Leu Gly Asn Pro Gln Ala Ser Ile Ala Gln Ile Ile Val Thr
1 5 10 15

Val Val Leu Gly Leu Val Ile Gly Ala Ile Tyr Phe Gly Leu Lys
20 25 30

<210> 198

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 198

Asn Asp Ser Thr Gly Ile Gln Asn Arg
1 5

<210> 199

<211> 26

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 199

Ala Gly Val Leu Phe Phe Leu Thr Thr Asn Gln Cys Phe Ser Ser Val
1 5 10 15

Ser Ala Val Glu Leu Phe Val Val Glu Lys
20 25

<210> 200

<211> 1

<212> PRT

<213> Artificial sequence

<220>

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<400> 200

Lys
1

<210> 201

<211> 12

<212> PRT

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<220>

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<400> 201

Leu Phe Ile His Glu Tyr Ile Ser Gly Tyr Tyr Arg
1 5 10

<210> 202

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 202

Val Ser Ser Tyr Phe Leu Gly Lys
1 5

<210> 203

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 203

Leu Leu Ser Asp Leu Leu Pro Met Arg
1 5

<210> 204

<211> 18

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 204

Met Leu Pro Ser Ile Ile Phe Thr Cys Ile Val Tyr Phe Met Leu Gly
1 5 10 15

Leu Lys

<210> 205

<211> 2

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 205

Pro Lys
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<210> 206

<211> 73

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 206

Ala Asp Ala Phe Phe Val Met Met Phe Thr Leu Met Met Val Ala Tyr
1 5 10 15

Ser Ala Ser Ser Met Ala Leu Ala Ile Ala Ala Gly Gln Ser Val Val
20 25 30

Ser Val Ala Thr Leu Leu Met Thr Ile Cys Phe Val Phe Met Met Ile
35 40 45

Phe Ser Gly Leu Leu Val Asn Leu Thr Thr Ile Ala Ser Trp Leu Ser
50 55 60

Trp Leu Gln Tyr Phe Ser Ile Pro Arg
65 70

<210> 207

<211> 41

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 207

Tyr Gly Phe Thr Ala Leu Gln His Asn Glu Phe Leu Gly Gln Asn Phe
1 5 10 15

Cys Pro Gly Leu Asn Ala Thr Gly Asn Asn Pro Cys Asn Tyr Ala Thr
20 25 30

Cys Thr Gly Glu Glu Tyr Leu Val Lys
35 40

<210> 208

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 208

Gln Gly Ile Asp Leu Ser Pro Trp Gly Leu Trp Lys
1 5 10

<210> 209

<211> 19

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 209

Asn His Val Ala Leu Ala Cys Met Ile Val Ile Phe Leu Thr Ile Ala
1 5 10 15

Tyr Leu Lys

<210> 210

<211> 5

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 210

Leu Leu Phe Leu Lys
1 5

<210> 211

<211> 1

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 211

Lys
1

<210> 212

<211> 2

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<400> 212

Tyr Ser
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<210> 213

<211> 47

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 213

Leu Tyr Met Val Val Gly Thr Leu Ala Ala Ile Ile His Gly Ala Gly
1 5 10 15

Leu Pro Leu Met Met Leu Val Phe Gly Glu Met Thr Asp Ile Phe Ala
20 25 30

Asn Ala Gly Asn Leu Glu Asp Leu Met Ser Asn Ile Thr Asn Arg
35 40 45

<210> 214

<211> 18

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 214

Ser Asp Ile Asn Asp Thr Gly Phe Phe Met Asn Leu Glu Glu Asp Met
1 5 10 15

Thr Arg

<210> 215

<211> 29

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 215

Tyr Ala Tyr Tyr Tyr Ser Gly Ile Gly Ala Gly Val Leu Val Ala Ala
1 5 10 15

Tyr Ile Gln Val Ser Phe Trp Cys Leu Ala Ala Gly Arg
20 25

<210> 216

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 216

Ile Gly Met Phe Phe Gln Ser Met Ala Thr Phe Phe Thr Gly Phe Ile
1 5 10 15

Val Gly Phe Thr Arg
20

<210> 217

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 217

Leu Thr Leu Val Ile Leu Ala Ile Ser Pro Val Leu Gly Leu Ser Ala
1 5 10 15

Ala Val Trp Ala Lys
20

<210> 218

<211> 68

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 218

Ala Ile Thr Ala Asn Ile Ser Ile Gly Ala Ala Phe Leu Leu Ile Tyr
1 5 10 15

Ala Ser Tyr Ala Leu Ala Phe Trp Tyr Gly Thr Thr Leu Val Leu Ser
20 25 30

Gly Glu Tyr Ser Ile Gly Gln Val Leu Thr Val Phe Phe Ser Val Leu
35 40 45

Ile Gly Ala Phe Ser Val Gly Gln Ala Ser Pro Ser Ile Glu Ala Phe
50 55 60

Ala Asn Ala Arg
65

<210> 219

<211> 17

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 219

Leu Tyr Asp Pro Thr Glu Gly Met Val Ser Val Asp Gly Gln Asp Ile
1 5 10 15

Arg

<210> 220

<211> 25

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 220

Ile Leu Leu Leu Asp Glu Ala Thr Ser Ala Leu Asp Thr Glu Ser Glu
1 5 10 15

Ala Val Val Gln Val Ala Leu Asp Lys
20 25

<210> 221

<211> 16

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 221

Asn Ala Asp Val Ile Ala Gly Phe Asp Asp Gly Val Ile Val Glu Lys
1 5 10 15

<210> 222

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 222

Leu Val Thr Met Gln Thr Ala Gly Asn Glu Val Glu Leu Glu Asn Ala
1   5   10   15

Ala Asp Glu Ser Lys
            20

<210> 223

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 223

Ser Glu Ile Asp Ala Leu Glu Met Ser Ser Asn Asp Ser Arg
1   5   10

<210> 224

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 224

Glu Ala Leu Asp Glu Ser Ile Pro Pro Val Ser Phe Trp Arg
1   5   10

<210> 225

<211> 32

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 225

Leu Asn Leu Thr Glu Trp Pro Tyr Phe Val Val Gly Val Phe Cys Ala
1 5 10 15

Ile Ile Asn Gly Gly Leu Gln Pro Ala Phe Ala Ile Ile Phe Ser Lys
20 25 30

<210> 226

<211> 28

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 226

Gln Asn Ser Asn Leu Phe Ser Leu Leu Phe Leu Ala Leu Gly Ile Ile
1 5 10 15

Ser Phe Ile Thr Phe Phe Leu Gln Gly Phe Thr Lys
20 25

<210> 227

<211> 45

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 227

Leu Ala Val Ile Thr Gln Asn Ile Ala Asn Leu Gly Thr Gly Ile Ile
1 5 10 15

Ile Ser Phe Ile Tyr Gly Trp Gln Leu Thr Leu Leu Leu Ala Ile
20 25 30

Val Pro Ile Ile Ala Ile Ala Gly Val Val Glu Met Lys
35 40 45

<210> 228

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 228

Phe Glu His Met Tyr Ala Gln Ser Leu Gln Val Pro Tyr Arg
1 5 10

<210> 229

<211> 24

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 229

Ala His Ile Phe Gly Ile Thr Phe Ser Phe Thr Gln Ala Met Met Tyr
1 5 10 15

Phe Ser Tyr Ala Gly Cys Phe Arg
20

<210> 230

<211> 32

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 230

Leu Met Ser Phe Glu Asp Val Leu Leu Val Phe Ser Ala Val Val Phe
1 5 10 15

Gly Ala Met Ala Val Gly Gln Ser Ser Phe Ala Pro Asp Tyr Ala Lys
20 25 30

<210> 231

<211> 33

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 231

Thr Pro Leu Ile Asp Ser Tyr Ser Thr Glu Gly Leu Met Pro Asn Thr
1 5 10 15

Leu Glu Gly Asn Val Thr Phe Gly Glu Val Val Phe Asn Tyr Pro Thr
20 25 30

Arg

<210> 232

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 232

Glu Ala Asn Ile His Ala Phe Ile Glu Ser Leu Pro Asn Lys
1 5 10

<210> 233

<211> 14

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 233

Gly Ile Tyr Phe Ser Met Val Ser Val Gln Ala Gly Thr Lys
1 5 10

<210> 234

<211> 29

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 234

Met Ser Ser Ser Asn Val Glu Val Phe Ile Pro Val Ser Gln Gly Asn
1 5 10 15

Thr Asn Gly Phe Pro Ala Thr Val Ser Asn Asp Leu Lys
20 25

<210> 235

<211> 16

<212> PRT

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<220>

<223> Computer generated synthetic peptide

<400> 235

Ala Phe Thr Glu Gly Ala Val Leu Ser Phe His Asn Ile Cys Tyr Arg
1 5 10 15

<210> 236

<211> 25

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 236

Glu Ile Leu Ser Asn Ile Asn Gly Ile Met Lys Pro Gly Leu Asn Ala
1 5 10 15

Ile Leu Gly Pro Thr Gly Gly Gly Lys
20 25

<210> 237

<211> 21

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 237

Asp Pro Ser Gly Leu Ser Gly Asp Val Leu Ile Asn Gly Ala Pro Arg
1 5 10 15

Pro Ala Asn Phe Lys
20

<210> 238

<211> 19

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 238

Cys Asn Ser Gly Tyr Val Val Gln Asp Asp Val Val Met Gly Thr Leu
1 5 10 15

Thr Val Arg

<210> 239

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 239

Glu Asn Leu Gln Phe Ser Ala Ala Leu Arg
1 5 10

<210> 240

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 240

Leu Ala Thr Thr Met Thr Asn His Glu Lys
1 5 10

<210> 241

<211> 36

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 241

Thr Ser Ile Gly Met Glu Leu Ile Thr Asp Pro Ser Ile Leu Ser Leu
1 5 10 15

Asp Glu Pro Thr Thr Gly Leu Asp Ser Ser Thr Ala Asn Ala Val Leu
20 25 30

Leu Leu Leu Lys
35

<210> 242

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 242

Thr Ile Ile Phe Ser Ile His Gln Pro Arg
1 5 10

<210> 243

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 243

Leu Phe Asp Ser Leu Thr Leu Leu Ala Ser Gly Arg
1 5 10

<210> 244

<211> 46

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 244

Leu Met Phe His Gly Pro Ala Gln Glu Ala Leu Gly Tyr Phe Glu Ser
1 5 10 15

Ala Gly Tyr His Cys Glu Ala Tyr Asn Asn Pro Ala Asp Phe Phe Leu
20 25 30

Asp Ile Ile Asn Gly Asp Ser Thr Ala Val Ala Leu Asn Arg
35 40 45

<210> 245

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 245

Leu Ala Glu Ile Tyr Val Asn Ser Ser Phe Tyr Lys
1 5 10

<210> 246

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 246

Glu Ile Ser Tyr Thr Thr Ser Phe Cys His Gln Leu Arg
1 5 10

<210> 247

<211> 31

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 247

Asn Leu Leu Gly Asn Pro Gln Ala Ser Ile Ala Gln Ile Ile Val Thr
1 5 10 15

Val Val Leu Gly Leu Val Ile Gly Ala Ile Tyr Phe Gly Leu Lys
20 25 30

<210> 248

<211> 26

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 248

Ala Gly Val Leu Phe Phe Leu Thr Thr Asn Gln Cys Phe Ser Ser Val
1 5 10 15

Ser Ala Val Glu Leu Phe Val Val Glu Lys
20 25

<210> 249

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 249

Leu Phe Ile His Glu Tyr Ile Ser Gly Tyr Tyr Arg
1 5 10

<210> 250

<211> 72

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 250

Ala Asp Ala Phe Phe Val Met Met Phe Thr Leu Met Met Val Ala Tyr
1 5 10 15

Ser Ala Ser Ser Met Ala Leu Ala Ile Ala Ala Gly Gln Ser Val Ser
20 25 30

Val Ala Thr Leu Leu Met Thr Ile Cys Phe Val Phe Met Met Ile Phe
35 40 45

Ser Gly Leu Leu Val Asn Leu Thr Thr Ile Ala Ser Trp Leu Ser Trp
50 55 60

Leu Gln Tyr Phe Ser Ile Pro Arg
65 70

<210> 251

<211> 41

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 251

Tyr Gly Phe Thr Ala Leu Gln His Asn Glu Phe Leu Gly Gln Asn Phe
1 5 10 15

Cys Pro Gly Leu Asn Ala Thr Gly Asn Asn Pro Cys Asn Tyr Ala Thr
20 25 30

Cys Thr Gly Glu Glu Tyr Leu Val Lys
35 40

<210> 252

<211> 12

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 252

Gln Gly Ile Asp Leu Ser Pro Trp Gly Leu Trp Lys
1 5 10

<210> 253

<211> 19

<212> PRT

<213> Artificial sequence

<220>

<223> Computer generated synthetic peptide

<400> 253

Asn His Val Ala Leu Ala Cys Met Ile Val Ile Phe Leu Thr Ile Ala
1 5 10 15

Tyr Leu Lys